



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/706,494

11/12/2003

Do-In Choi

5000-1-483

7216

33942

7590

07/09/2008

CHA & REITER, LLC

210 ROUTE 4 EAST STE 103

PARAMUS, NJ 07652

EXAMINER

KANG, SUK JIN

ART UNIT

PAPER NUMBER

2619

MAIL DATE

DELIVERY MODE

07/09/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/706,494	Applicant(s) CHOI ET AL.	
	Examiner SUK JIN KANG	Art Unit 2619	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 March 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 1-9** are rejected under 35 U.S.C. 102(b) as being anticipated by **Coupe et al.** (U.S. Patent Application Publication # 2002/0064189 A1).

Consider **claims 1 and 7**, Coupe et al. discloses a method and a subscriber distribution system for distributing broadcasting data to subscribers through an subscriber network, the subscriber distribution system comprising: a program id (PID) filter section (16, transport demultiplexor, figure 2 and 113-114 figure 5) for checking contents of an inputted MPEG2 multiple program transport streams (MPTS) frame and splitting the MPEG2 MPTS frame into a plurality of single program transport streams (SPTS) ([0047], [0061] lines 4-13); a table regenerator (113 or 114, figure 5 and 200, figure 6) for regenerating a program allocation table (PAT) and a program map table (PMT) that corresponds with the SPTS by changing contents in the PAT and the PMT with respect to the MPTS when the MPTS is split into said plurality of single program transport streams separate from general MPEG data ([0061] lines 4-22, [0062] lines 1-15, [0064] lines 3-7); a SPTS splitting and storing section (46, figure 2 and 115 or 116, figure 5) for storing the SPTS at high speed in a memory area of a buffer, which is assigned to subscribers according to PIDs ([0047] lines 9-19, [0048] lines 13-22, [0061]

lines 16-19); a subscriber distribution section (66, figure 3) for selecting the SPTS requested by subscribers and storing the SPTS in the memory area of the buffer assigned to subscribers ([0048] lines 13-26); and a control section (68, figure 3) receiving MPTS information from a higher network to provide MPTS information to the PID filter section and the table regenerator, receiving a request for a program from subscribers, and transferring the request to the subscriber distribution section ([0048] lines 13-28, [0067]).

Consider **claims 2 and 9**, and as applied to claims 1 and 7, respectively, Coupe et al. discloses wherein a quantity of filters in the PID filter section corresponds to a quantity of SPTSs that the MPTS has been split into (figure 3 and 5, [0059], [0061]).

Consider **claims 3 and 8**, and as applied to claim 1 and 7, respectively, Coupe et al. discloses wherein the control section receives program information requested by subscribers through a channel change protocol (CCP) (70, User Remote Control, figure 3, [0048] lines 22-26).

Consider **claim 4**, and as applied to claim 1, Coupe et al. discloses wherein the SPTS splitting and storing section and the subscriber distribution section adopt a direct memory access (DMA) technique ([0047] lines 9-19, [0048] lines 13-22, [0061] lines 16-19).

Consider **claim 5**, and as applied to claim 1, Coupe et al. disclose wherein the PID filter section includes at least one PID filter for filtering a plurality of PIDs contained in the MPEG2 MPTS ([0047], [0061] lines 4-13).

Consider **claim 6**, and as applied to claim 1, Coupe et al. disclose the subscriber distribution system further comprising a subscriber interface (66, 63 and 65, figure 3) for converting the SPTS stored that match with each subscriber into a stream to transmit the SPTS to each subscriber ([0048] lines 13-28).

Response to Arguments

3. Applicant's arguments with respect to claims 1 and 7 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

5. Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

6. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Suk Jin Kang whose telephone number is (571) 270-1771. The examiner can normally be reached on Monday - Friday 8:00-5:00 EST.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Chau Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Art Unit: 2616

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

*/Suk Jin Kang/
Examiner, Art Unit 2619*

June 27, 2008

*/Chi H Pham/
Supervisory Patent Examiner, Art Unit 2616
7/3/08*